



SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

Sree Sainath Nagar, Tirupati

Department of Information Technology

Approved Course Structure

Program: M.Tech.- Software Engineering

Regulations: SVEC-19

I-Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits C	Scheme of Examinations Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19MT12501	Advanced Software Engineering	3	0	0	3	3	40	60	100
2.	19MT12502	Data Structures and Algorithms	3	0	0	3	3	40	60	100
3.	19MT12503	Mobile Application Development	3	0	0	3	3	40	60	100
4.	Program Elective-1									
	19MT16303	Cloud Computing								
	19MT12504	Information Retrieval Systems	3	0	0	3	3	40	60	100
	19MT12505	Python Programming								
	19MT12506	User Interface Design								
5.	Program Elective-2									
	19MT12507	Big Data Technologies								
	19MT12508	Information Security								
	19MT10509	Machine Learning	3	0	0	3	3	40	60	100
	19MT12509	Service Oriented Architecture								
6.	19MT12531	Advanced Software Engineering Lab	0	0	4	4	2	50	50	100
7.	19MT12532	Mobile Application Development Lab	0	0	4	4	2	50	50	100
8.	19MT10705	Research Methodology and IPR	2	0	0	2	2	40	60	100
Total			17	0	8	25	21	340	460	800
9.	19MT1AC01	Technical Report Writing	2	0	0	2	0	-	-	-

II-Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits C	Scheme of Examinations Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19MT22501	Full Stack Technologies	3	0	0	3	3	40	60	100
2.	19MT22502	Software Architecture and Design Patterns	3	0	0	3	3	40	60	100
3.	Program Elective-3									
	19MT22503	Advanced Databases								
	19MT10504	Artificial Intelligence	3	0	0	3	3	40	60	100
	19MT22504	.Net Technologies								
	19MT22505	Software Measurements and Metrics								
4.	Program Elective-4									
	19MT20501	Data Science								
	19MT20503	ANN and Deep Learning	3	0	0	3	3	40	60	100
	19MT26305	Internet of Things								
	19MT22506	Software Quality Assurance								
5.	19MT3MOOC	Open Elective (MOOC)	-	-	-	-	3	-	100	100
6.	19MT22531	Full Stack Technologies Lab	0	0	4	4	2	50	50	100
7.	19MT22532	Software Architecture and Design Patterns Lab	0	0	4	4	2	50	50	100
Total			12	0	8	20	19	260	440	700
7.	19MT2AC01	Statistics with R Programming	2	0	0	2	0	-	-	-

III-Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits C	Scheme of Examinations Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19MT32531	Internship	-	-	-	-	2	-	100	100
2.	19MT32532	Project Work Phase-I	-	-	-	-	10	50	50	100
Total			0	0	20	20	12	50	150	200

IV-Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits C	Scheme of Examinations Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19MT42531	Project Work Phase-II	-	-	-	-	16	150	150	300
Total			-	-	-	-	16	150	150	300
Total Credits							68	-	--	--
Grand Total Marks:										2000



DEAN (Academics)

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